

Date: Thu, 10 Mar 94 04:30:45 PST  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #54  
To: Ham-Space

Ham-Space Digest                  Thu, 10 Mar 94                  Volume 94 : Issue 54

Today's Topics:

    Frustration over sat tracking prgs... (2 msgs)  
    GPS Receiver Boards (3 msgs)  
    Two-Line Orbital Element Set: Space Shuttle (2 msgs)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 9 Mar 94 16:37:27 GMT  
From: ihnp4.ucsd.edu!news.service.uci.edu!orion.oac.uci.edu!  
jkondis@network.ucsd.edu  
Subject: Frustration over sat tracking prgs...  
To: ham-space@ucsd.edu

Is anyone else having any of the following problems?

I have tried to use several satellite tracking programs for the PC, but  
have found no success... With the STS programs, I get an error message  
something like this:

Error in line No line number in STSPLUS module at XXXX:XXXX <some funky  
address>  
Also, TrakSat will not run on my machine due to memory shortage, though I  
have technically enough RAM to run it (according to docs)...

Then I went to QuickSat, for bare bones operation. Seems fine until it  
tells you that March 8 1994 is a Thursday... Doesn't exactly make you  
want to go and spend hours testing it's predictions, does it???

Has anyone had similar problems? Or do any of you PC wizards have any suggestions? Are there any 'reliable' progs out there that are easy to please???

Thanks in advance for any replies...

...John

jkondis@orion.oac.uci.edu

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Date: Wed, 9 Mar 1994 21:10:06 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!  
spahr@network.ucsd.edu  
Subject: Frustration over sat tracking prgs...  
To: ham-space@ucsd.edu

John Kondis (jkondis@orion.oac.uci.edu) wrote:

: Is anyone else having any of the following problems?  
  
: I have tried to use several satellite tracking programs for the PC, but  
: have found no success... With the STS programs, I get an error message  
: something like this:  
  
: Error in line No line number in STSPLUS module at XXXX:XXXX <some funky  
: address>  
: Also, TrakSat will not run on my machine due to memory shortage, though I  
: have technically enough RAM to run it (according to docs)...  
  
: Then I went to QuickSat, for bare bones operation. Seems fine until it  
: tells you that March 8 1994 is a Thursday... Doesn't exactly make you  
: want to go and spend hours testing it's predictions, does it???  
  
: Has anyone had similar problems? Or do any of you PC wizards have any  
: suggestions? Are there any 'reliable' progs out there that are easy to  
: please???

: Thanks in advance for any replies...

: ...John

: jkondis@orion.oac.uci.edu

I have been running InstantTrack by Franklin Antonio (dist. by AMSAT)  
for several years. Have run IT on an XT, 386 and 486 (all had VGA).  
There have been two patches to the program to fix minor problems but  
other than that I have never had any trouble with the program.

Works great and easy to use!!!

```
=====
Sherman Spahr           ! spahr@adcom.com
Systems Coordinator,   ! wb0pcm@amsat.org
Adams County Communications Center Inc. !
(303) 289-2235      FAX (303) 287-2942    ! P.O. Box 1661
SysOp, The Communications Center BBS   ! Wheat Ridge, CO
(303) 278-4075 8N1 ~38400                 ! 80034-1661
=====
```

-----  
Date: Wed, 9 Mar 1994 16:06:12 GMT  
From: ihnp4.ucsd.edu!swrinde!sgiblab!cs.uoregon.edu!reuter.cse.ogi.edu!hp-cv!hp-  
pcd!hpcvsnz!dickrb@network.ucsd.edu  
Subject: GPS Receiver Boards  
To: ham-space@ucsd.edu

I will take one too.... Now you are down to 98 units left....

73 de w7wkr

-----  
Date: 09 Mar 1994 17:38:25 GMT  
From: pa.dec.com!e2big.mko.dec.com!nntp1kg.dec.com!nntp1kg.dec.com!  
waf@decwrl.dec.com  
Subject: GPS Receiver Boards  
To: ham-space@ucsd.edu

> The question is: who's going to be buying in 100's?

I'm in (provided we find the 100 or better).

Bill KE1G

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Date: 10 Mar 94 03:30:32 GMT  
From: utcsr1!newsflash.concordia.ca!CC.UMontreal.CA!poly-vlsi!  
nick@rutgers.rutgers.edu  
Subject: GPS Receiver Boards  
To: ham-space@ucsd.edu

I'm in for one too. That 97...

Nick

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*****
*      Nick Ciarallo                               *
*      SR Telecom Inc.      telephone: 514-335-2429 ex: 438   *
*      Microwave Group     facsimile: 514-334-7783          *
*      8150 Trans Canada Hwy    internet : nick@vlsi.polymtl.ca   *
*      St. Laurent, Quebec   hamradio : ve2hot@ve2fkb.pq.can.na   *
*      Canada H4S-1M5           *                                *
*****  
*      Accept no substitutes, *REAL* ham radio lives on 220 MHz!   *
*****
```

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Date: 8 Mar 94 22:43:33 GMT

From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!paladin.american.edu!  
zombie.ncsc.mil!blackbird.afit.af.mil!tkelso@ucbvax.berkeley.edu  
Subject: Two-Line Orbital Element Set: Space Shuttle  
To: ham-space@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are carried on the Celestial BBS, (513) \*253-9767\*, and are updated daily (when possible). Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using 8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation and software are also available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

STS 62

1 23025U 94015A	94066.58333333	.00024132	55158-5	80902-4	0	93
2 23025	39.0151	229.1553	0006237	299.8055	40.4124	15.90381391

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Dr TS Kelso Assistant Professor of Space Operations  
tkelso@afit.af.mil Air Force Institute of Technology

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Date: Thu, 10 Mar 1994 00:23:08 GMT

From: ihnp4.ucsd.edu!swrinde!gatech!paladin.american.edu!zombie.ncsc.mil!  
blackbird.afit.af.mil!tkelso@network.ucsd.edu  
Subject: Two-Line Orbital Element Set: Space Shuttle  
To: ham-space@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are carried on the Celestial BBS, (513) \*253-9767\*, and are updated daily (when possible). Documentation and tracking software are also available on this system. As a service to the satellite user community, the most current elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using 8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation and software are also available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

STS 62

1	23025U	94015A	94068.25000000	.00001031	52957-5	84547-5	0	122
2	23025	39.0174	218.1669	0006078	310.8563	226.2248	15.90446700	741

- -

Dr TS Kelso  
tkelso@afit.af.mil

## Assistant Professor of Space Operations Air Force Institute of Technology

Date: 9 Mar 94 21:35:04 GMT

From: sdd.hplabs.hp.com;hpscit.sc.hp.com;rkarlqa@hplabs.hp.com

To: ham-space@ucsd.edu

References <2lh20r\$auf@bigfoot.wustl.edu>, <gscottCMDK7n.4x@netcom.com>, <2ljo78\$if2@bigfoot.wustl.edu>  
Subject : Re: GPS Receiver Boards

Regarding my posting about Motorola GPS receiver boards:

It seems to have generated a lot of email.

Please get information directly from Motorola's Position and Navigation Systems Business division if you are interested. Call (708)-480-8000 and then follow the directions about calling (800)-4-ONCORE. No, I don't know what they cost in unit quantities. No, I haven't hooked one up to my ham station. No, I am not interested in coordinating a group purchase. I'm just giving you a pointer to further information. Thank you.

Rick Karlquist N6RK  
(I work for HP, not Motorola!)  
rkarlqu@scd.hp.com

Date: 9 Mar 1994 05:52:40 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!  
howland.reston.ans.net!wupost!bigfoot.wustl.edu!nevada!jlw3@network.ucsd.edu  
To: ham-space@ucsd.edu

References <2lebkc\$kmk@hpscit.sc.hp.com>, <2lh20r\$auf@bigfoot.wustl.edu>, <gscottCMDK7n.4x@netcom.com>  
Subject : Re: GPS Receiver Boards

Gavin Scott (gscott@netcom.com) wrote:  
: Jesse L Wei (jlw3@cec3.wustl.edu) wrote:  
: : Richard Karlquist (rkarlqu@scd.hp.com) wrote:  
: : : The Motorola GPS receiver is less than \$150 in 100's. It has six  
: : : channels and just about all the features you would ever want.

: : The question is: who's going to be buying in 100's?

: I'll take one. Now you only have 99 more to get rid of!

Another thing--who would we trust to handle \$15000 dollars? I'd probably take one too--even if I don't have any use for it right now. . .

--jesse

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Date: 9 Mar 94 19:57:12 GMT  
From: news.mentorg.com!hpbab33.mentorg.com!wv.mentorg.com!hanko@uunet.uu.net  
To: ham-space@ucsd.edu

References <2lebkc\$kmk@hpscit.sc.hp.com>, <2lh20r\$auf@bigfoot.wustl.edu>, <gscottCMDK7n.4x@netcom.com>  
Reply-To : Hank\_Oredson@mentorg.com  
Subject : Re: GPS Receiver Boards

In article <gscottCMDK7n.4x@netcom.com>, gscott@netcom.com (Gavin Scott) writes:  
|> Jesse L Wei (jlw3@cec3.wustl.edu) wrote:  
|> : Richard Karlquist (rkarlqu@scd.hp.com) wrote:  
|> : : The Motorola GPS receiver is less than \$150 in 100's. It has six  
|> : : channels and just about all the features you would ever want.  
|>  
|> : The question is: who's going to be buying in 100's?  
|>  
|> I'll take one. Now you only have 99 more to get rid of!  
|>  
|> Gavin  
|> --  
|> Gavin Scott - Quest Software Inc - gavin@quests.com -or- gscott@netcom.com

Me too ... now only 98 to get rid of.

... Hank

--

Hank Oredson @ Mentor Graphics  
Internet : hank\_oredson@mentorg.com  
Amateur Radio: W0RLI@W0RLI.OR.USA.NOAM

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Date: 9 Mar 1994 21:51:50 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
ux1.cso.uiuc.edu!rtaylor@network.ucsd.edu  
To: ham-space@ucsd.edu

References <jyoungberg.1.000B87CC@draper.com>, <218gp3\$ikl@lll-winken.llnl.gov>, <2lebkc\$kmk@hpscit.sc.hp.com>aylor  
Subject : Re: GPS Receiver Boards

rkarlqu@scd.hp.com (Richard Karlquist) writes:

>The Motorola GPS receiver is less than \$150 in 100's. It has six  
>channels and just about all the features you would ever want.

So where do you get one in the "ones". Eagle's is \$498 and  
has 5 channels as I remember. Just what do you get with more  
than 5 channels?

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End of Ham-Space Digest V94 #54

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